

| <b>CLAIMS ONLY</b> |          |      |                        |      |                        |      | SERIAL NO.   | FILING DATE |
|--------------------|----------|------|------------------------|------|------------------------|------|--------------|-------------|
|                    |          |      |                        |      |                        |      | APPLICANT(S) |             |
| CLAIMS             |          |      |                        |      |                        |      |              |             |
|                    | AS FILED |      | AFTER<br>1st AMENDMENT |      | AFTER<br>2nd AMENDMENT |      |              |             |
|                    | IND.     | DEP. | IND.                   | DEP. | IND.                   | DEP. |              |             |
| 1                  |          |      |                        |      |                        |      |              |             |
| 2                  |          |      |                        |      |                        |      |              |             |
| 3                  |          |      |                        |      |                        |      |              |             |
| 4                  |          |      |                        |      |                        |      |              |             |
| 5                  |          |      |                        |      |                        |      |              |             |
| 6                  |          |      |                        |      |                        |      |              |             |
| 7                  |          |      |                        |      |                        |      |              |             |
| 8                  |          |      |                        |      |                        |      |              |             |
| 9                  |          |      |                        |      |                        |      |              |             |
| 10                 |          |      |                        |      |                        |      |              |             |
| 11                 |          |      |                        |      |                        |      |              |             |
| 12                 |          |      |                        |      |                        |      |              |             |
| 13                 |          |      |                        |      |                        |      |              |             |
| 14                 |          |      |                        |      |                        |      |              |             |
| 15                 |          |      |                        |      |                        |      |              |             |
| 16                 |          |      |                        |      |                        |      |              |             |
| 17                 |          |      |                        |      |                        |      |              |             |
| 18                 |          |      |                        |      |                        |      |              |             |
| 19                 |          |      |                        |      |                        |      |              |             |
| 20                 |          |      |                        |      |                        |      |              |             |
| 21                 |          |      |                        |      |                        |      |              |             |
| 22                 |          |      |                        |      |                        |      |              |             |
| 23                 |          |      |                        |      |                        |      |              |             |
| 24                 |          |      |                        |      |                        |      |              |             |
| 25                 |          |      |                        |      |                        |      |              |             |
| 26                 |          |      |                        |      |                        |      |              |             |
| 27                 |          |      |                        |      |                        |      |              |             |
| 28                 |          |      |                        |      |                        |      |              |             |
| 29                 |          |      |                        |      |                        |      |              |             |
| 30                 |          |      |                        |      |                        |      |              |             |
| 31                 |          |      |                        |      |                        |      |              |             |
| 32                 |          |      |                        |      |                        |      |              |             |
| 33                 |          |      |                        |      |                        |      |              |             |
| 34                 |          |      |                        |      |                        |      |              |             |
| 35                 |          |      |                        |      |                        |      |              |             |
| 36                 |          |      |                        |      |                        |      |              |             |
| 37                 |          |      |                        |      |                        |      |              |             |
| 38                 |          |      |                        |      |                        |      |              |             |
| 39                 |          |      |                        |      |                        |      |              |             |
| 40                 |          |      |                        |      |                        |      |              |             |
| 41                 |          |      |                        |      |                        |      |              |             |
| 42                 |          |      |                        |      |                        |      |              |             |
| 43                 |          |      |                        |      |                        |      |              |             |
| 44                 |          |      |                        |      |                        |      |              |             |
| 45                 |          |      |                        |      |                        |      |              |             |
| 46                 |          |      |                        |      |                        |      |              |             |
| 47                 |          |      |                        |      |                        |      |              |             |
| 48                 |          |      |                        |      |                        |      |              |             |
| 49                 |          |      |                        |      |                        |      |              |             |
| 50                 |          |      |                        |      |                        |      |              |             |
| TOTAL IND.         | 5        |      | 4                      |      |                        |      |              |             |
| TOTAL DEP.         | 13       |      | 14                     |      |                        |      |              |             |
| TOTAL CLAIMS       | 17       |      | 18                     |      |                        |      |              |             |
| 51                 |          |      |                        |      |                        |      |              |             |
| 52                 |          |      |                        |      |                        |      |              |             |
| 53                 |          |      |                        |      |                        |      |              |             |
| 54                 |          |      |                        |      |                        |      |              |             |
| 55                 |          |      |                        |      |                        |      |              |             |
| 56                 |          |      |                        |      |                        |      |              |             |
| 57                 |          |      |                        |      |                        |      |              |             |
| 58                 |          |      |                        |      |                        |      |              |             |
| 59                 |          |      |                        |      |                        |      |              |             |
| 60                 |          |      |                        |      |                        |      |              |             |
| 61                 |          |      |                        |      |                        |      |              |             |
| 62                 |          |      |                        |      |                        |      |              |             |
| 63                 |          |      |                        |      |                        |      |              |             |
| 64                 |          |      |                        |      |                        |      |              |             |
| 65                 |          |      |                        |      |                        |      |              |             |
| 66                 |          |      |                        |      |                        |      |              |             |
| 67                 |          |      |                        |      |                        |      |              |             |
| 68                 |          |      |                        |      |                        |      |              |             |
| 69                 |          |      |                        |      |                        |      |              |             |
| 70                 |          |      |                        |      |                        |      |              |             |
| 71                 |          |      |                        |      |                        |      |              |             |
| 72                 |          |      |                        |      |                        |      |              |             |
| 73                 |          |      |                        |      |                        |      |              |             |
| 74                 |          |      |                        |      |                        |      |              |             |
| 75                 |          |      |                        |      |                        |      |              |             |
| 76                 |          |      |                        |      |                        |      |              |             |
| 77                 |          |      |                        |      |                        |      |              |             |
| 78                 |          |      |                        |      |                        |      |              |             |
| 79                 |          |      |                        |      |                        |      |              |             |
| 80                 |          |      |                        |      |                        |      |              |             |
| 81                 |          |      |                        |      |                        |      |              |             |
| 82                 |          |      |                        |      |                        |      |              |             |
| 83                 |          |      |                        |      |                        |      |              |             |
| 84                 |          |      |                        |      |                        |      |              |             |
| 85                 |          |      |                        |      |                        |      |              |             |
| 86                 |          |      |                        |      |                        |      |              |             |
| 87                 |          |      |                        |      |                        |      |              |             |
| 88                 |          |      |                        |      |                        |      |              |             |
| 89                 |          |      |                        |      |                        |      |              |             |
| 90                 |          |      |                        |      |                        |      |              |             |
| 91                 |          |      |                        |      |                        |      |              |             |
| 92                 |          |      |                        |      |                        |      |              |             |
| 93                 |          |      |                        |      |                        |      |              |             |
| 94                 |          |      |                        |      |                        |      |              |             |
| 95                 |          |      |                        |      |                        |      |              |             |
| 96                 |          |      |                        |      |                        |      |              |             |
| 97                 |          |      |                        |      |                        |      |              |             |
| 98                 |          |      |                        |      |                        |      |              |             |
| 99                 |          |      |                        |      |                        |      |              |             |
| 100                |          |      |                        |      |                        |      |              |             |
| TOTAL IND.         |          |      |                        |      |                        |      |              |             |
| TOTAL DEP.         |          |      |                        |      |                        |      |              |             |
| TOTAL CLAIMS       |          |      |                        |      |                        |      |              |             |

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-08)

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Patent and Trademark Office

| <b>CLAIMS ONLY</b> |          |      |                        |      |                        |      | SERIAL NO.   | FILING DATE |
|--------------------|----------|------|------------------------|------|------------------------|------|--------------|-------------|
|                    |          |      |                        |      |                        |      | APPLICANT(S) |             |
| CLAIMS             |          |      |                        |      |                        |      |              |             |
|                    | AS FILED |      | AFTER<br>1st AMENDMENT |      | AFTER<br>2nd AMENDMENT |      |              |             |
|                    | IND.     | DEP. | IND.                   | DEP. | IND.                   | DEP. |              |             |
| 1                  |          |      |                        |      |                        |      |              |             |
| 2                  |          |      |                        |      |                        |      |              |             |
| 3                  |          |      |                        |      |                        |      |              |             |
| 4                  |          |      |                        |      |                        |      |              |             |
| 5                  |          |      |                        |      |                        |      |              |             |
| 6                  |          |      |                        |      |                        |      |              |             |
| 7                  |          |      |                        |      |                        |      |              |             |
| 8                  |          |      |                        |      |                        |      |              |             |
| 9                  |          |      |                        |      |                        |      |              |             |
| 10                 |          |      |                        |      |                        |      |              |             |
| 11                 |          |      |                        |      |                        |      |              |             |
| 12                 |          |      |                        |      |                        |      |              |             |
| 13                 |          |      |                        |      |                        |      |              |             |
| 14                 |          |      |                        |      |                        |      |              |             |
| 15                 |          |      |                        |      |                        |      |              |             |
| 16                 |          |      |                        |      |                        |      |              |             |
| 17                 |          |      |                        |      |                        |      |              |             |
| 18                 |          |      |                        |      |                        |      |              |             |
| 19                 |          |      |                        |      |                        |      |              |             |
| 20                 |          |      |                        |      |                        |      |              |             |
| 21                 |          |      |                        |      |                        |      |              |             |
| 22                 |          |      |                        |      |                        |      |              |             |
| 23                 |          |      |                        |      |                        |      |              |             |
| 24                 |          |      |                        |      |                        |      |              |             |
| 25                 |          |      |                        |      |                        |      |              |             |
| 26                 |          |      |                        |      |                        |      |              |             |
| 27                 |          |      |                        |      |                        |      |              |             |
| 28                 |          |      |                        |      |                        |      |              |             |
| 29                 |          |      |                        |      |                        |      |              |             |
| 30                 |          |      |                        |      |                        |      |              |             |
| 31                 |          |      |                        |      |                        |      |              |             |
| 32                 |          |      |                        |      |                        |      |              |             |
| 33                 |          |      |                        |      |                        |      |              |             |
| 34                 |          |      |                        |      |                        |      |              |             |
| 35                 |          |      |                        |      |                        |      |              |             |
| 36                 |          |      |                        |      |                        |      |              |             |
| 37                 |          |      |                        |      |                        |      |              |             |
| 38                 |          |      |                        |      |                        |      |              |             |
| 39                 |          |      |                        |      |                        |      |              |             |
| 40                 |          |      |                        |      |                        |      |              |             |
| 41                 |          |      |                        |      |                        |      |              |             |
| 42                 |          |      |                        |      |                        |      |              |             |
| 43                 |          |      |                        |      |                        |      |              |             |
| 44                 |          |      |                        |      |                        |      |              |             |
| 45                 |          |      |                        |      |                        |      |              |             |
| 46                 |          |      |                        |      |                        |      |              |             |
| 47                 |          |      |                        |      |                        |      |              |             |
| 48                 |          |      |                        |      |                        |      |              |             |
| 49                 |          |      |                        |      |                        |      |              |             |
| 50                 |          |      |                        |      |                        |      |              |             |
| TOTAL IND.         |          |      |                        |      |                        |      |              |             |
| TOTAL DEP.         |          |      |                        |      |                        |      |              |             |
| TOTAL CLAIMS       |          |      |                        |      |                        |      |              |             |
| 51                 |          |      |                        |      |                        |      |              |             |
| 52                 |          |      |                        |      |                        |      |              |             |
| 53                 |          |      |                        |      |                        |      |              |             |
| 54                 |          |      |                        |      |                        |      |              |             |
| 55                 |          |      |                        |      |                        |      |              |             |
| 56                 |          |      |                        |      |                        |      |              |             |
| 57                 |          |      |                        |      |                        |      |              |             |
| 58                 |          |      |                        |      |                        |      |              |             |
| 59                 |          |      |                        |      |                        |      |              |             |
| 60                 |          |      |                        |      |                        |      |              |             |
| 61                 |          |      |                        |      |                        |      |              |             |
| 62                 |          |      |                        |      |                        |      |              |             |
| 63                 |          |      |                        |      |                        |      |              |             |
| 64                 |          |      |                        |      |                        |      |              |             |
| 65                 |          |      |                        |      |                        |      |              |             |
| 66                 |          |      |                        |      |                        |      |              |             |
| 67                 |          |      |                        |      |                        |      |              |             |
| 68                 |          |      |                        |      |                        |      |              |             |
| 69                 |          |      |                        |      |                        |      |              |             |
| 70                 |          |      |                        |      |                        |      |              |             |
| 71                 |          |      |                        |      |                        |      |              |             |
| 72                 |          |      |                        |      |                        |      |              |             |
| 73                 |          |      |                        |      |                        |      |              |             |
| 74                 |          |      |                        |      |                        |      |              |             |
| 75                 |          |      |                        |      |                        |      |              |             |
| 76                 |          |      |                        |      |                        |      |              |             |
| 77                 |          |      |                        |      |                        |      |              |             |
| 78                 |          |      |                        |      |                        |      |              |             |
| 79                 |          |      |                        |      |                        |      |              |             |
| 80                 |          |      |                        |      |                        |      |              |             |
| 81                 |          |      |                        |      |                        |      |              |             |
| 82                 |          |      |                        |      |                        |      |              |             |
| 83                 |          |      |                        |      |                        |      |              |             |
| 84                 |          |      |                        |      |                        |      |              |             |
| 85                 |          |      |                        |      |                        |      |              |             |
| 86                 |          |      |                        |      |                        |      |              |             |
| 87                 |          |      |                        |      |                        |      |              |             |
| 88                 |          |      |                        |      |                        |      |              |             |
| 89                 |          |      |                        |      |                        |      |              |             |
| 90                 |          |      |                        |      |                        |      |              |             |
| 91                 |          |      |                        |      |                        |      |              |             |
| 92                 |          |      |                        |      |                        |      |              |             |
| 93                 |          |      |                        |      |                        |      |              |             |
| 94                 |          |      |                        |      |                        |      |              |             |
| 95                 |          |      |                        |      |                        |      |              |             |
| 96                 |          |      |                        |      |                        |      |              |             |
| 97                 |          |      |                        |      |                        |      |              |             |
| 98                 |          |      |                        |      |                        |      |              |             |
| 99                 |          |      |                        |      |                        |      |              |             |
| 100                |          |      |                        |      |                        |      |              |             |
| TOTAL IND.         |          |      |                        |      |                        |      |              |             |
| TOTAL DEP.         |          |      |                        |      |                        |      |              |             |
| TOTAL CLAIMS       |          |      |                        |      |                        |      |              |             |

\* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

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|              |            |             |
|--------------|------------|-------------|
| CLAIMS ONLY  | SERIAL NO. | FILING DATE |
| APPLICANT(S) |            |             |

| CLAIMS       |          |      |                        |      |                        |      |              |      |      |      |      |      |      |
|--------------|----------|------|------------------------|------|------------------------|------|--------------|------|------|------|------|------|------|
|              | AS FILED |      | AFTER<br>1st AMENDMENT |      | AFTER<br>2nd AMENDMENT |      |              | *    |      | *    |      | *    |      |
|              | IND.     | DEP. | IND.                   | DEP. | IND.                   | DEP. |              | IND. | DEP. | IND. | DEP. | IND. | DEP. |
| 1            |          |      |                        |      |                        |      | 51           |      |      |      |      |      |      |
| 2            |          |      |                        |      |                        |      | 52           |      |      |      |      |      |      |
| 3            |          |      |                        |      |                        |      | 53           |      |      |      |      |      |      |
| 4            |          |      |                        |      |                        |      | 54           |      |      |      |      |      |      |
| 5            |          |      |                        |      |                        |      | 55           |      |      |      |      |      |      |
| 6            |          |      |                        |      |                        |      | 56           |      |      |      |      |      |      |
| 7            |          |      |                        |      |                        |      | 57           |      |      |      |      |      |      |
| 8            |          |      |                        |      |                        |      | 58           |      |      |      |      |      |      |
| 9            |          |      |                        |      |                        |      | 59           |      |      |      |      |      |      |
| 10           |          |      |                        |      |                        |      | 60           |      |      |      |      |      |      |
| 11           |          |      |                        |      |                        |      | 61           |      |      |      |      |      |      |
| 12           |          |      |                        |      |                        |      | 62           |      |      |      |      |      |      |
| 13           |          |      |                        |      |                        |      | 63           |      |      |      |      |      |      |
| 14           |          |      |                        |      |                        |      | 64           |      |      |      |      |      |      |
| 15           |          |      |                        |      |                        |      | 65           |      |      |      |      |      |      |
| 16           |          |      |                        |      |                        |      | 66           |      |      |      |      |      |      |
| 17           |          |      |                        |      |                        |      | 67           |      |      |      |      |      |      |
| 18           |          |      |                        |      |                        |      | 68           |      |      |      |      |      |      |
| 19           |          |      |                        |      |                        |      | 69           |      |      |      |      |      |      |
| 20           |          |      |                        |      |                        |      | 70           |      |      |      |      |      |      |
| 21           |          |      |                        |      |                        |      | 71           |      |      |      |      |      |      |
| 22           |          |      |                        |      |                        |      | 72           |      |      |      |      |      |      |
| 23           |          |      |                        |      |                        |      | 73           |      |      |      |      |      |      |
| 24           |          |      |                        |      |                        |      | 74           |      |      |      |      |      |      |
| 25           |          |      |                        |      |                        |      | 75           |      |      |      |      |      |      |
| 26           |          |      |                        |      |                        |      | 76           |      |      |      |      |      |      |
| 27           |          |      |                        |      |                        |      | 77           |      |      |      |      |      |      |
| 28           |          |      |                        |      |                        |      | 78           |      |      |      |      |      |      |
| 29           |          |      |                        |      |                        |      | 79           |      |      |      |      |      |      |
| 30           |          |      |                        |      |                        |      | 80           |      |      |      |      |      |      |
| 31           |          |      |                        |      |                        |      | 81           |      |      |      |      |      |      |
| 32           |          |      |                        |      |                        |      | 82           |      |      |      |      |      |      |
| 33           |          |      |                        |      |                        |      | 83           |      |      |      |      |      |      |
| 34           |          |      |                        |      |                        |      | 84           |      |      |      |      |      |      |
| 35           |          |      |                        |      |                        |      | 85           |      |      |      |      |      |      |
| 36           |          |      |                        |      |                        |      | 86           |      |      |      |      |      |      |
| 37           |          |      |                        |      |                        |      | 87           |      |      |      |      |      |      |
| 38           |          |      |                        |      |                        |      | 88           |      |      |      |      |      |      |
| 39           |          |      |                        |      |                        |      | 89           |      |      |      |      |      |      |
| 40           |          |      |                        |      |                        |      | 90           |      |      |      |      |      |      |
| 41           |          |      |                        |      |                        |      | 91           |      |      |      |      |      |      |
| 42           |          |      |                        |      |                        |      | 92           |      |      |      |      |      |      |
| 43           |          |      |                        |      |                        |      | 93           |      |      |      |      |      |      |
| 44           |          |      |                        |      |                        |      | 94           |      |      |      |      |      |      |
| 45           |          |      |                        |      |                        |      | 95           |      |      |      |      |      |      |
| 46           |          |      |                        |      |                        |      | 96           |      |      |      |      |      |      |
| 47           |          |      |                        |      |                        |      | 97           |      |      |      |      |      |      |
| 48           |          |      |                        |      |                        |      | 98           |      |      |      |      |      |      |
| 49           |          |      |                        |      |                        |      | 99           |      |      |      |      |      |      |
| 50           |          |      |                        |      |                        |      | 100          |      |      |      |      |      |      |
| TOTAL IND.   |          |      |                        |      |                        |      | TOTAL IND.   |      |      |      |      |      |      |
| TOTAL DEP.   |          |      |                        |      |                        |      | TOTAL DEP.   |      |      |      |      |      |      |
| TOTAL CLAIMS |          |      |                        |      |                        |      | TOTAL CLAIMS |      |      |      |      |      |      |

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